

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Dirk Johannes van den Boom *et al.*

Application No.: 10/723,365

Filing Date: November 26, 2003

Title: FRAGMENTATION-BASED  
METHODS AND SYSTEMS FOR  
SEQUENCE VARIATION  
DETECTION AND DISCOVERY

Examiner: Woolwine, Samuel C.

Group Art Unit: 1637

Conf. No.: 4199

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

This paper is filed in response to a non-final Office action dated September 3, 2009, which set a shortened statutory time for response expiring on December 3, 2009. This submission is timely filed on or before February 3, 2010, with payment for a two-month extension of time. Careful consideration has been given to the grounds for rejection and the following amendments and remarks are offered in response. Reconsideration respectfully is requested.